

## **APPENDIX C**

### **SEWER DISCHARGE REQUIREMENTS**



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## Forms (down-loadable)

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## Discharges from Construction Sites

The King County Industrial Waste Program regulates wastewater discharges from construction sites and requires permits. Call (206) 263-3000.

During construction, workers may pump groundwater or stormwater away from the site. This process is called dewatering. Usually this water is clear, but sometimes it can be contaminated. Discharging it to a stream or lake may harm water quality. This water may be discharged into the sewer only if authorized by King County.

Wastewater that goes into the sewer must contain less than 7 milliliters per liter of solids capable of settling. This prevents restricting or blocking flow in sewer lines. A company discharging solids is liable for any damages caused by sewage backups. Discharge of materials such as ashes, sand, grass, and gravel is prohibited.

Large-volume dischargers of construction water (larger than 25,000 gallons per day) must find other means of disposal than sewers during the "wet months" (November through April) when the hydraulic capacity of sewerage systems is a concern. Discharges of construction water to the sewer are not prohibited during the "dry months" (May through October). Regardless of discharge volumes and period of discharge, dewatering dischargers must meet King County permitting requirements.

A King County Public Rule covers construction dewatering to the sewer.

[Construction Dewatering Fact Sheet & Application](#)  
(Adobe Acrobat format)

## **Fees and Surcharges**

## **Contacts and Map**

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## **Useful Links**

For questions about information on this Web page, please contact Kristin Painter, King County Industrial Waste Program.

For questions about the Water and Land Resources Web page, please contact Fred Bentler, Visual Communication & GIS Unit.

Updated: November 20, 2001

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[The details.](#)

# Construction Dewatering

## How to get permission to discharge to the King County sewer system

Construction dewatering is the act of pumping groundwater or stormwater away from an active construction site.

King County regulates the disposal of such wastewater into the King County sewer system.

**This water usually may be pumped into the sewer if you first get a discharge approval from the King County Industrial Waste Program and get permission from your local sewer agency.**

A form to request King County approval is on page 3. Please fill out the form as completely as possible because missing information may delay your approval.



The type of approval depends on many factors. The Industrial Waste Program will decide whether you need just a letter of approval, a discharge authorization, or a

permit (the most complex approval).

All approvals must comply with a King County public rule, Discharge of Construction Dewatering to the Sanitary Sewer. Copies are available at <http://www.metrokc.gov/reclec/archives/policies/put814pr/htm> or by calling Industrial Waste at (206) 263-3000.

In a discharge approval, King County may include:

- Requirement to self-monitor for specified substances;
- Limit for FOG (fats, oils, and grease);
- Limits for benzene (0.13 ppm), toluene (1.5 ppm), and ethylbenzene (1.4 ppm)

- Sedimentation-control methods;
- Limit for solids capable of settling (less than 7 milliliters per liter).

Discharge of materials such as ashes, sand, grass, and gravel is prohibited.

### Permission from your local sewer agency

In addition to King County approval, you must get permission to discharge to the sewer from your local sewer agency. The local agency may issue street-use permits and approve the point of discharge to the sewer.

If you do not know the name of your local sewer agency, please phone Industrial Waste for this information at (206) 263-3000.

King County Industrial Waste will send a copy of your King County approval to your local agency so the agency can bill you.

### Discharges to the sewer during the wet season (November through April)

The construction-dewatering rule limits discharges during the wet season to 25,000 gallons per day or less.

An option for disposing of larger volumes during the wet season is to get authorization to discharge to surface water from the Washington State Department of Ecology or local surface water permit jurisdiction. For state permit information, see the state's Web site at <http://www.ecy.wa.gov/permit.html> or



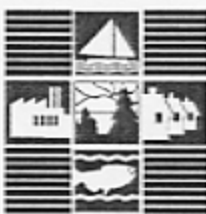
call the Permit Assistance Center at (360) 407-7037 or (800) 917-0043.

Sometimes an applicant cannot obtain authorization for surface water discharge because of site and/or regulatory restrictions. Under these circumstances, the applicant must provide King County Industrial Waste with documentation showing that it cannot obtain this authorization. King County will then process the request.

If you have a Washington State or local jurisdiction permit to discharge to surface waters, King County Industrial Waste may issue authorization to discharge to the sanitary sewer for emergency relief only.

Failure to apply for a surface water discharge authorization in a timely way is not an acceptable reason for Industrial Waste to grant a King County discharge approval to the sewer.

### **Sites with suspected contaminated groundwater**



For a potentially contaminated site, King County will require an applicant to demonstrate that the discharge meets King County discharge limits. For a copy of the

limits, see the Industrial Waste Web site at <http://dnr.metrokc.gov/wlr/indwaste> and the King County public rule setting limits at <http://www.metrokc.gov/recelec/archives/policies/put813pr.htm>. Or telephone Industrial Waste at (206) 263-3000.

The applicant must have alternative disposal plans if the discharge does not meet King County limits—either treat unacceptable batches or have the water hauled offsite to be disposed of by a licensed treatment, storage, disposal, or recycling facility.

### **Sites in an area with a Combined Sewer Overflow**

If the discharge is in an area with a King County Combined Sewer Overflow (CSO), King County may put restrictions on discharge during heavy rainstorms, depending on such factors as the basin, volume, or site.

The local sewer agency may also restrict the flow in areas with restricted sewer lines or locally controlled CSOs.

### **For more information, contact:**

#### **King County Industrial Waste Program**

130 Nickerson Street, Suite 200  
Seattle, Washington 98109-1658  
(206) 263-3000  
(206) 263-3001 FAX

<http://dnr.metrokc.gov/wlr/indwaste/>  
(The web page called Construction Sites will contain this document.)

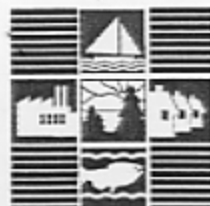
Published October 2001.





## Construction Dewatering Request Form

Submit to the King County Industrial Waste Program,  
130 Nickerson Street, Suite 200, Seattle, Washington 98109-1658;  
(206) 263-3000, FAX (206) 263-3001



Project Name			
Location			
Project Description			
Contractor			
Contact Name			
Address			
City, State, Zip			
Office Phone	(    )	Fax	(    )
Site Phone	(    )	Fax	(    )
Cell Phone	(    )	Pager	(    )
Water/Sewer Dist. & contact			
Size of Area			
Volume in gallons per day (gpd)			
Pump rate			
Start date of dewatering			
End date of dewatering			
Discharge point			
Water quality data available?			
Description of methods used to control solids			
If the discharge will be greater than 25,000 gallons per day during November through April, is discharging to surface water possible?			
Remarks and unusual conditions			

**APPENDIX D**  
**UST REMOVAL DOCUMENTATION**

## UST REMOVAL ACTIVITIES

- \_\_\_\_ Notify Department of Ecology of UST Removal
  - Telephone call to Ecology (649-7000)
  - Submit UST 30 Day Notice form (if regulated UST) (Attached)
- \_\_\_\_ Notify Seattle Fire Department
  - Submit UST Removal Permit Application (Attached)
  - If UST welding/cutting required obtain additional permit (in-person) through Fire Department
  - Call to schedule removal inspection more than 24 hours in advance of schedule date
  - Confirm scheduled inspection with Fire Dept.
- \_\_\_\_ Obtain grading permit from DCLU
- \_\_\_\_ Clean UST and remove liquid or sludge residues - maintain pump and rinse certification on-site
- \_\_\_\_ Inert the UST using dry ice (if UST is 3,000 gallons or larger, or contains baffles, the Fire Department requires certification by a marine chemist)
- \_\_\_\_ Excavate around UST to expose vessel for observation
- \_\_\_\_ Obtain certification from Fire Department
- \_\_\_\_ Remove tank using Ecology certified UST decommissioner and state UST assessor
- \_\_\_\_ Provide spill control and containment equipment
- \_\_\_\_ Use absorbent for any spilled free liquids
- \_\_\_\_ Use sorbent pads for any floating product
- \_\_\_\_ Transport tank to proper disposal site
- \_\_\_\_ Transport liquids and/or sludges to proper disposal site
- \_\_\_\_ Obtain certificate of disposal for UST and liquid/sludge residues
- \_\_\_\_ Perform verification sample testing in excavation
- \_\_\_\_ Submit tank removal/assessment report to Ecology (if regulated UST)





# UNDERGROUND STORAGE TANK 30 DAY NOTICE

See back of form for instructions

Please ✓ the appropriate box: ☐ Intent to Install ☐ Intent to Close ☐ Both

## FOR OFFICE USE ONLY

Site ID #: \_\_\_\_\_

Owner ID #: \_\_\_\_\_

Once validated by Ecology, this form serves as your temporary permit for the tanks listed below.

## Site Information

Site ID Number \_\_\_\_\_

(Available from Ecology if the tanks are registered)

Site/Business Name \_\_\_\_\_

Street

Site Address \_\_\_\_\_

City/State \_\_\_\_\_

Zip Code \_\_\_\_\_ Telephone (\_\_\_\_) \_\_\_\_\_

## Owner Information

(This form will be returned to this address)

UST Owner/Operator \_\_\_\_\_

Mailing Address \_\_\_\_\_

Street

P.O. Box

City/State \_\_\_\_\_

Zip Code \_\_\_\_\_ Telephone (\_\_\_\_) \_\_\_\_\_

## Tank Installation Company (if known). Fill out this section ONLY if tanks are being installed.

Service Company \_\_\_\_\_ Contact Name \_\_\_\_\_

Address \_\_\_\_\_

Street

P.O. Box

City

State

Zip Code

Telephone (\_\_\_\_) \_\_\_\_\_

## Tank Permanent Closure Company (if known). Fill out this section ONLY if tanks are being closed.

Service Company \_\_\_\_\_ Contact Name \_\_\_\_\_

Address \_\_\_\_\_

Street

P.O. Box

City

State

Zip Code

Telephone (\_\_\_\_) \_\_\_\_\_

## Tank Closure Information

Fill out this section ONLY if tanks are being closed.

Tank ID	Projected Closure Date	Tank Capacity	Substance Stored	Date Tank Last Used	Is There Product In the Tank (Yes/No)	If No, Date Tank Was Pumped
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

## Tank Installation Information

Fill out this section ONLY if tanks are being installed.

Tank ID	Approx. Install Date
_____	_____
_____	_____
_____	_____
_____	_____

# Instructions

Please Read Carefully

AFTER COMPLETING THIS FORM, RETURN TO:

TOXICS CLEANUP PROGRAM  
DEPARTMENT OF ECOLOGY  
P.O. BOX 47655  
OLYMPIA, WA 98504-7655

Check the appropriate box for tank closure, tank installation, or both.

## Site and Owner Information

Fill in the site and owner information. Please include the Ecology site number for tank closures; also, be sure to provide telephone numbers so that any problems can be resolved quickly. Confirmation of receipt of this form and the temporary permit will be returned to the owner.

## Tank Installation Company

List the installation company, if known. Upon receiving your completed form, Ecology will validate it and return it to the owner. This validated form is your temporary permit and will allow you to receive product. A new notification form must be submitted to the Department of Licensing within 30 days of installation in order to receive a Master Business License with the appropriate tank permit endorsement(s).

## Tank Permanent Closure Company

List the closure company, if known. Upon receiving a completed 30 day closure form, Ecology will stamp the date received on the form and return a copy to the owner.

Contact your local fire marshal and planning department prior to tank closure to find out if any additional permits are required by county or other local jurisdictions. Compliance with the State Environmental Policy Act (SEPA) Rules, Chapter 197-11 WAC, may be necessary.

Closure may proceed 30 days after the date stamped on the form. A site assessment is required at the time of closure. Contamination found or suspected at the site must be reported to the appropriate Ecology regional office within 24 hours. If the contamination is confirmed, a site characterization report must be submitted to the regional office within 90 days; if contamination is not confirmed, a site assessment report must be submitted to the above address within 30 days.

**Please note:** Individuals performing services MUST be certified by the International Fire Code Institute (IFCI), or other nationally recognized association by which they demonstrate appropriate knowledge pertaining to USTs or have passed another qualifying exam approved by the Department.

## Tank Information

List tanks to be installed or closed. Please report tank ID number(s) for tanks to be closed and assign new tank ID number(s) to tanks being installed. Do not use existing numbers from closed tanks.

The following tanks are exempt from notification requirements:

- ❖ Farm or residential tanks, 1,100 gallons or less, used to store motor fuel for personal or farm use only. The fuel must not be for resale or used for business purposes.
- ❖ Tanks used for storing heating oil that is used on the premises where the tank is located.
- ❖ Tanks with a capacity of 110 gallons or less.
- ❖ Equipment or machinery tanks such as hydraulic lifts or electrical equipment tanks.

Your  
Seattle  
Fire Department

# APPLICATION FOR PERMIT



Permit Code No.: 799 Title: TEMPORARY UNDERGROUND TANK REMOVAL/ABANDONMENT PERMIT  
 Fee: \$98.00 (No Renewal) Code Reference: SFC 79.118 Date Received: \_\_\_\_\_ Date Issued: \_\_\_\_\_  
 Track #: \_\_\_\_\_  
 Receipt #: \_\_\_\_\_ or Data Entry #: \_\_\_\_\_ Permit Expiration Date: \_\_\_\_\_  
 Firm Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Firm Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Job Site: \_\_\_\_\_  
 Person in Charge: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Number of Tank(s): \_\_\_\_\_ Tank Size(s): \_\_\_\_\_  
 Product(s) Previously Contained: \_\_\_\_\_ Hot Work: ☐ Yes ☐ No

PERMITANCE FOR PERMIT FEE AS SHOWN ABOVE MUST BE RETURNED WITH THIS APPLICATION TO:

SEATTLE FIRE DEPARTMENT HEADQUARTERS  
 HAZARDOUS MATERIAL PERMITS  
 301 Second Avenue South  
 Seattle, WA 98104-2518

Checks Payable To: SEATTLE CITY TREASURER

## PERMIT CONDITIONS:

TANKS MAY BE REMOVED ONLY AFTER FIRE DEPARTMENT INSPECTION.

Two (2) 40 BC portable fire extinguishers are to be on site within 50' of the operation.

Rope or ribbon barricades must be provided circling 10' from the operation or be enclosed in a fenced yard.

"No Smoking" signs must be posted in readily visible locations.

No hot works allowed unless the tanks are certified gas free. A separate Fire Department permit (Code 491) is required for cutting and welding operations.

## PROCEDURES:

Call 366-1450, 24 hours prior to removal to arrange for an appointment. Appointments must be confirmed by an inspector.

Permits may cover multiple tanks located at a single inspection area. If additional tanks are to be removed or abandoned at later dates, separate permits shall be obtained.

Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal business hours are 7:30 a.m. to 4:30 p.m.)

To ensure tanks are completely free of all flammable or combustible liquids, a receipt or certificate must be on site indicating the tanks has been pumped and rinsed with an approved material. Product and rinse water must be disposed of in an approved manner.

If tanks are being removed, the tanks' atmosphere must be inerted using one of the following approved methods:

- Solid dry ice
- Compressed gas cylinders releasing  $\text{CO}_2$  in the vapor phase
- Purging using air

Specific guidelines for the use of each method is provided in the Seattle Fire Department Inspection Guideline No. 79.6011.

Tanks being abandoned must be filled with a lean concrete mixture. Tanks previously containing Class I liquids must be inerted prior to filling with lean concrete.

A Fire Marshal's Office Inspector will test the tanks' atmosphere using a gas detector.

A minimum reading of 60%  $\text{CO}_2$  must be obtained prior to tank removal if  $\text{CO}_2$  is used to inert the tank.

A maximum reading of 10% LEL must be achieved prior to removal of the tank if the air purging method of inertion is used.

$\text{CO}_2$  fire extinguishers and discharge of liquid  $\text{CO}_2$  from compressed gas cylinders is prohibited.

Tanks with baffles to prevent movement of liquid (or tanks without baffles larger than 10,000 gallons) must be certified gas free by a Marine Chemist or a Petroleum Industry Safety Engineer regularly engaged in that business prior to removal.

Tanks being removed must be removed from the ground and relocated to a remote, approved facility on the same day that the permit is issued.

After the tanks are removed, if the tank has not already been cleaned, the openings should be sealed so the  $\text{CO}_2$  gas will remain in the tank during transit. In addition, tanks large enough to allow a person to enter it to do repair work should be marked on one side with spray paint "NO AIR - INERT GAS."

Special Permit Conditions:

SEATTLE FIRE DEPARTMENT

Expiration Date: \_\_\_\_\_

By \_\_\_\_\_

Inspector